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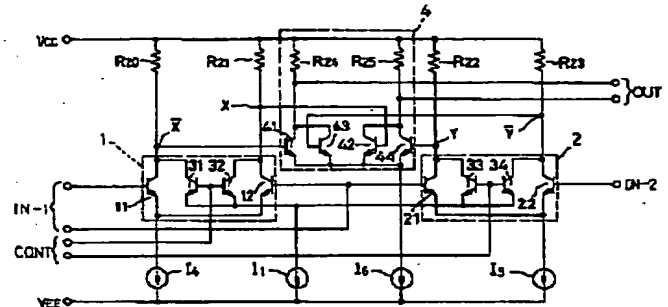
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APPLICANT : NEC ENG LTD;

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TITLE : SEMICONDUCTOR INTEGRATED
CIRCUIT



ABSTRACT : PROBLEM TO BE SOLVED: To keep the operating speed of a semiconductor integrated circuit at a low power voltage level by connecting an input circuit and a control circuit in parallel to each other.

SOLUTION: The circuit inputs IN-1 and IN-2 serve as the base inputs of an input circuit 1 and an input circuit 2 respectively. The current sources I_4 and I_5 generate the operating currents of the transistors TR 11 and 12 of the circuit 1 and the TR 21 and 22 of the circuit 2 respectively. A current source I_1 supplies the operating current to an emitter common connection point of TR 31 to 34, and a current source I_6 supplies the operating current to an emitter common connection point of TR 41 to 44. Then an external control signal CONT is applied between a base common connection point of TR 31 and 32 and that of TR 33 and 34. The input IN-1 or IN-2 is selected by the signal CONT and outputted to an output terminal OUT. Thus, a selector function is secured.

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